

**5.3.9 Major Commercial HVAC Equipment Lifetimes and Ages**

Equipment Type	Median <u>Lifetime</u>
Air Conditioners	
Through-the-Wall	15
Water-Cooled Package	24 (1)
Roof-Top	15
Chillers	
Reciprocating	20
Centrifugal	25 (1)
Absorption	23
Heat Pumps	
Air-to-Air	15
Water-to-Air	24 (1)
Furnaces (gas or oil)	18
Boilers (gas or oil)	
Hot-Water	24 - 35
Steam	25 - 30
Unit Heaters	
Gas-Fired or Electric	13
Hot-Water or Steam	20
Cooling Towers (metal or wood)	
Metal	22 (1)
Wood	20

Note(s): 1) Data from 2005. All other data is from 1978.

Source(s): ASHRAE, 2007 ASHRAE Handbook: HVAC Applications, Table 4, p. 36.3 for median service lifetimes.